

**AMENDMENTS TO THE CLAIMS**

Please amend the claims as follows.

1. (Currently Amended) A method for distributing discovery information in an IP multicast television network, comprising:
  - multicasting offer information ~~[[ (701) ]]~~ linking a service provider offer description (~~offer 1, offer 2~~) and a service provider offer locali[[s]]zation (~~LN.sub.0,1, LN.sub.0,2~~) within the IP multicast network,
  - multicasting stream information (~~702, 703~~) at the service provider offer locali[[s]]zation, the stream information linking a multi-service transport stream (~~TS.sub.1,1-TS.sub.1,4, TS.sub.2,1-TS.sub.2,3~~) and a stream locali[[s]]zation (~~LN.sub.1,1-LN.sub.1,4, LN.sub.2,1-LN.sub.2,3~~) within the IP multicast network, wherein a localization comprises an IP address and a port configured to receive data transmitted over the IP multicast network.
2. (Currently Amended) ~~[[A]]~~ The method according to claim 1, in which the offer and stream information are respectively cyclically multicast.
3. (Currently Amended) A method for broadcasting over an IP multicast network at least one offer of multimedia services received in a form of a bundle of transport streams, comprising:
  - attributing for each offer (~~offer 1, offer 2~~) a determined service provider offer locali[[s]]zation (~~LN.sub.0,1, LN.sub.0,2~~) within the IP multicast network, wherein a localization comprises an IP address and a port configured to receive data transmitted over the IP multicast network,
  - creating a file of offer information ~~[[ (701) ]]~~ describing for each offer a relation to its attributed service provider offer locali[[s]]zation,
  - extracting, for each offer, transport stream information from ~~[[its]]~~ the bundle, the transport stream information comprising a transport stream identification (~~TS.sub.1,1-TS.sub.1,4, TS.sub.2,1-TS.sub.2,3~~) for each transport stream,
  - attributing for each transport stream identification a determined stream locali[[s]]zation (~~LN.sub.1,1-LN.sub.1,4, LN.sub.2,1-LN.sub.2,3~~) within the IP multicast network, and

creating<sub>1</sub> for each offer<sub>1</sub> a file of stream information (~~702, 703~~) describing for each transport stream a relation to its attributed stream locali[[s]]zation.

4. (Currently Amended) [[A]] The method for broadcasting according to claim 3, further comprising adding<sub>1</sub> for each offer<sub>1</sub> a service provider offer description in the file of offer information.
5. (Currently Amended) [[A]] The method for broadcasting according to claim 3~~anyone of claims 3 or 4~~, wherein the extraction[[g]] of transport stream information from [[its]] the bundle comprises:
  - for each transport stream, extracting an original network Id for a network previously used to deliver the transport stream, and
  - ~~further comprising~~ inserting the original network Id in relation to the transport stream in the file of stream information.
6. (Currently Amended) [[A]] The method for broadcasting according to claim 3~~anyone of claims 3 to 5~~, further comprising:
  - receiving<sub>1</sub> for each transport stream<sub>1</sub> a corresponding stream of packetized data, [[and]]
  - inserting the stream of packetized data into IP packets,
  - multicasting the IP packets at the stream locali[[s]]zation previously attributed to the transport stream,
  - multicasting the file of offer information at a predetermined offer locali[[s]]zation (~~LN.sub.0,0~~), and
  - multicasting<sub>1</sub> for each offer<sub>1</sub> the corresponding stream information file at the service provider offer locali[[s]]zation attributed to the offer.
7. (Currently Amended) [[A]] The method according to claim 6, in which the files of offer and stream information are respectively cyclically multicast.
8. (Currently Amended) A method for receiving<sub>1</sub> in a set top box receiver compliant to receive a bundle of transport streams and connected to an IP multicast network, a transport stream from a bundle, comprising:

obtaining multicast stream information (~~702, 703~~) from a service provider offer locali[[s]]zation, wherein a localization comprises an IP address and a port configured to receive data transmitted over the IP multicast network,  
 processing the stream information to determine a stream locali[[s]]zation (~~LN.sub.1,1- LN.sub.1,4, LN.sub.2,1- LN.sub.2,3~~) previously attributed to the transport stream,  
 obtaining multicast IP packets from the determined stream locali[[s]]zation, and  
 extracting packetized data from the obtained IP packets, thereby obtaining the transport stream.

9. (Currently Amended) A method for receiving, in a set top box receiver compliant to receive a bundle of transport streams and connected to an IP multicast network, a transport stream from an offer among one or many offers in the form of bundles, comprising:

[[O]]obtaining multicast offer information ~~[[701]]~~ from a predetermined offer locali[[s]]zation, wherein a localization comprises an IP address and a port configured to receive data transmitted over the IP multicast network,  
 [[P]]processing the offer information to obtain a determined service provider offer locali[[s]]zation (~~LN.sub.0,1, LN.sub.0,2~~) previously attributed to the offer,  
 [[O]]obtaining multicast stream information (~~702, 703~~) from the determined service provider offer locali[[s]]zation,  
 [[P]]processing the stream information to determine a stream locali[[s]]zation previously attributed to the transport stream,  
 [[O]]obtaining multicast IP packets from the stream locali[[s]]zation, and  
 [[E]]extracting packetized data from the obtained IP packets, thereby obtaining the transport stream.

10. (Currently Amended) A method for receiving, in a set top box receiver compliant to receive a bundle of transport streams and connected to an IP multicast network, a transport stream from an offer among one or many offers in form of bundles, comprising:

obtaining ~~[[800]]~~ multicast offer information ~~[[701]]~~ from a predetermined offer locali[[s]]zation (~~LN.sub.0,0~~),  
 processing the offer information to obtain a list of items, each item relating a service provider offer locali[[s]]zation and an offer, wherein a localization comprises an

IP address and a port configured to receive data transmitted over the IP multicast network,

obtaining [(801)], for each item from the list of items, multicast stream information ~~(702, 703)~~ from the service provider offer locali[[s]]zation corresponding to the item,

processing [(801)] the stream information to obtain a transport stream list [(802)] of transport streams and respectively related stream locali[[s]]zations, and storing the transport stream list in the set top box.

11. (Currently Amended) [[A]] The method for receiving according to claim 10, further comprising:

requesting [(900)] a determined transport stream ~~(TS.sub.X,Y)~~,

finding [(901)] a stream locali[[s]]zation corresponding to the determined transport stream in the transport stream list [(802)],

obtaining [(902)] multicast IP packets [(903)] from the stream locali[[s]]zation, and

extracting [(904)] packetized data from the obtained IP packets, thereby obtaining the determined transport stream [(905)],

wherein the determined transport stream combines offers for multimedia services from a plurality of service providers, each of which broadcast using a different distribution system.

12. (Canceled)